



Gulf of Mexico Harmful Algal Bloom Bulletin

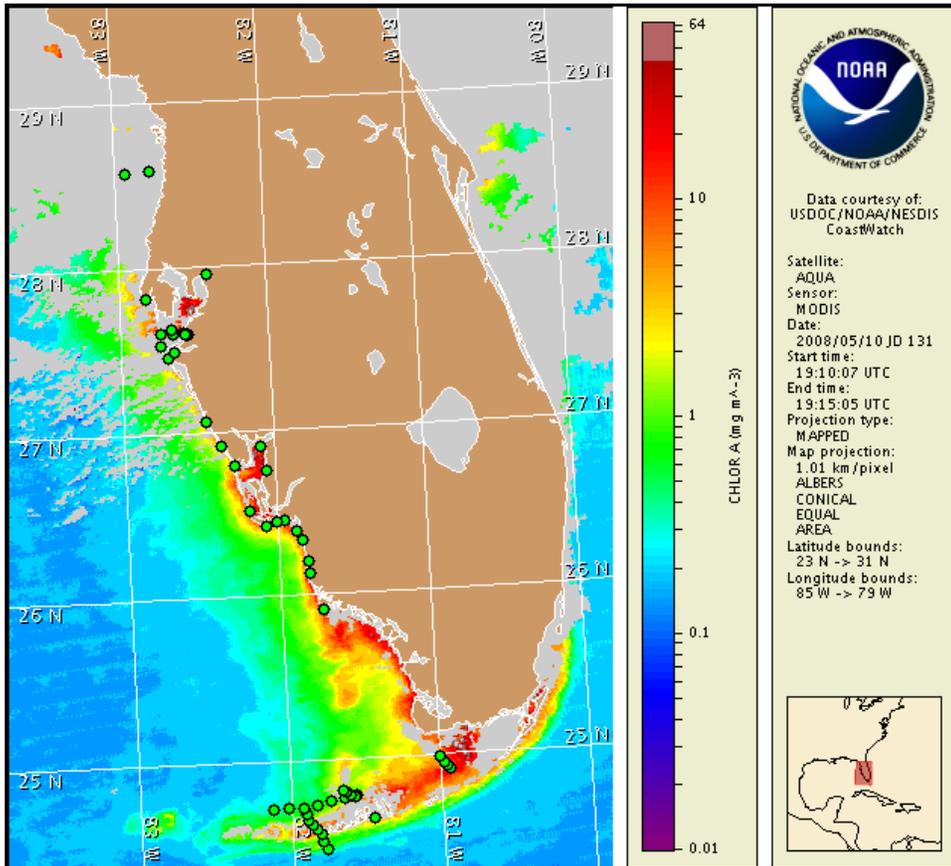
Region: South Florida

12 May 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: May 5, 2008



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from May 4 to 8 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

Conditions Report

There is currently no indication of a harmful algal bloom along the coast of southwest Florida. No impacts are expected today through Sunday May 18.

Analysis

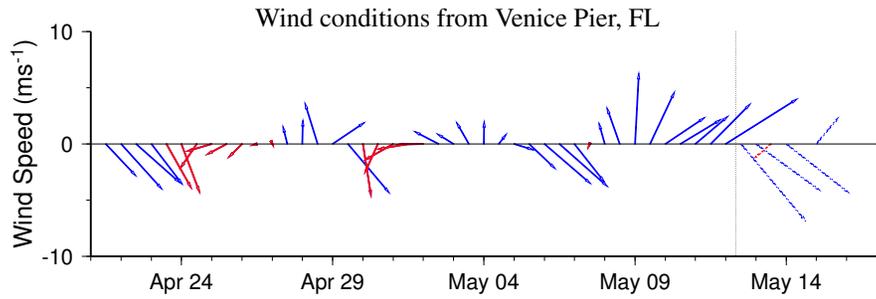
No *Karenia brevis* was identified in samples last week from Pinellas to Monroe County, including the Florida Keys. No offshore samples were available. Chlorophyll levels remain high ($>10 \mu\text{g/L}$) offshore Cape Romano, as far south as $25^{\circ}41'16''\text{N } 81^{\circ}35'37''\text{W}$. Elevated chlorophyll ($2\text{--}3 \mu\text{g/L}$) features were also identified offshore Monroe County, centered at $25^{\circ}22'14''\text{N } 81^{\circ}36'22''\text{W}$, and north of the Lower Keys, centered at $24^{\circ}57'41''\text{N } 81^{\circ}39'22''\text{W}$. Sampling of these features is recommended. No impacts are expected at the southwest Florida coast through Sunday, May 18.

Please note that due to past technical difficulties, SeaWiFS imagery is temporarily unavailable for display on this bulletin; MODIS imagery is shown on pages 1 and 3 of this bulletin.

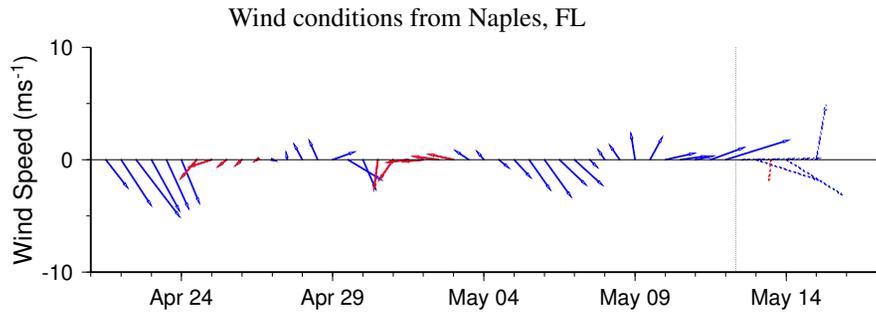
- Allen, Lindley, Fisher

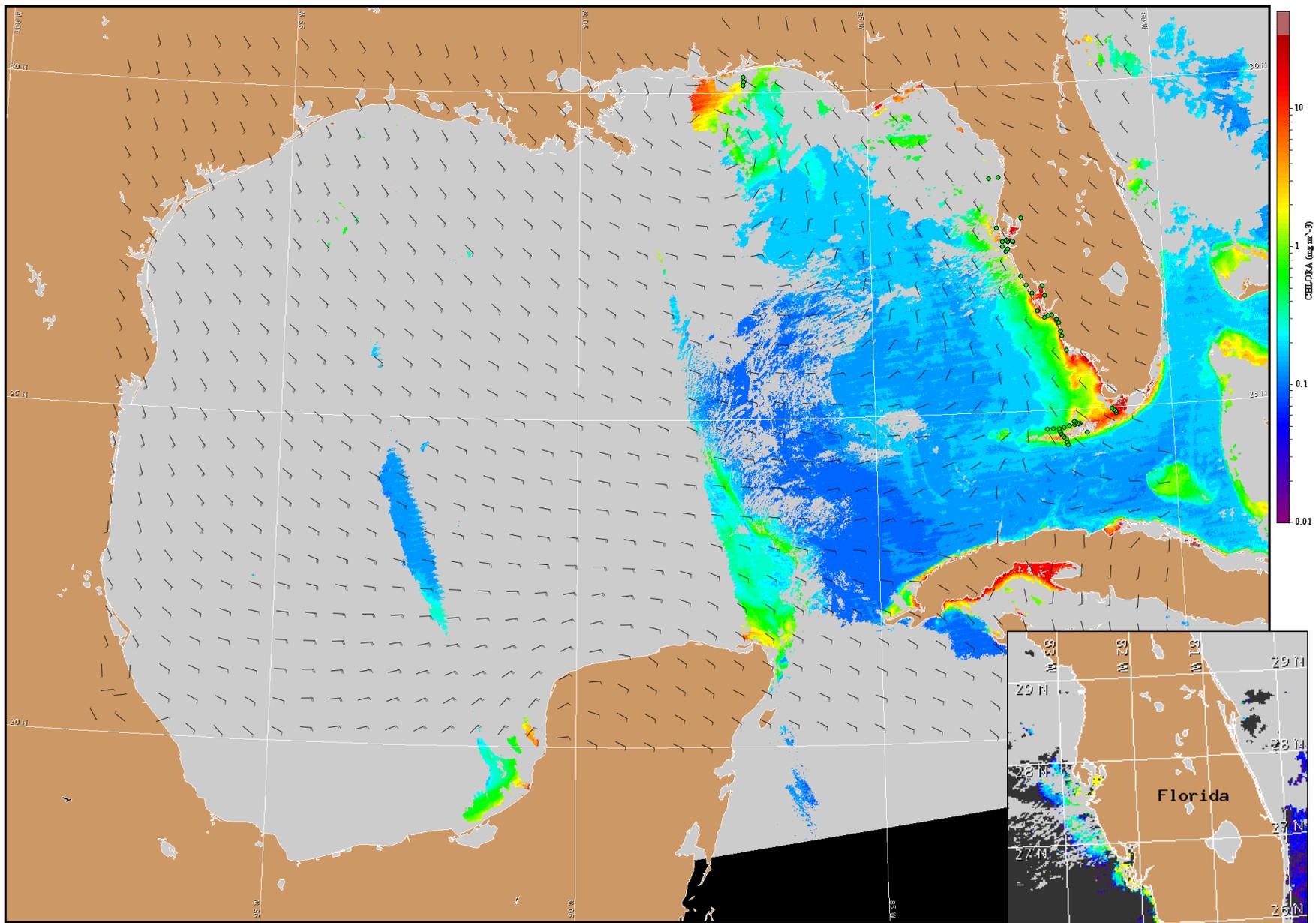
Wind Analysis

Northwesterly winds today (15-20kn, 8-10m/s) becoming easterly Tuesday at 10-15kn (5-8m/s). Southerly winds Wednesday and Thursday (10-15kn, 5-8m/s), becoming south-west by Friday.



Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.





Satellite chlorophyll image and forecast winds for May 13, 2008 06Z with Cell concentration sampling data from May 4 to 8 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).